

REMARKS

INFORMALITIES

Claim 14 is herein amended to address the incorrect dependency issue.

35 USC §§102 AND 103(A)

Claims 1-6, 8-13, 15-18 and 20-22 are rejected under 35 USC §102(b) as being anticipated by Langdon et al. (US 4977482). Claims 1, 7, 11-12, 14 and 19 are rejected under 35 USC §103(a) as being unpatentable over Langdon et al. The Applicant respectfully disagrees.

Claim 1 recites: "A power assembly system, comprising: a collar unit; and an internal power unit, wherein the internal power unit comprises an AC to DC power converter and is coupled to the collar unit."

The original specification defines an internal power unit as "Internal power units are typically used to power other components, and include batteries, electronic circuits, capacitors, coils, and fuel cells." The original specification also shows in the Examples that the internal power units and the power assembly systems comprise AC/DC converters that are primarily internal to the collar unit. Claim 11 recites the same internal power unit. The Background Section of the original specification mentions that one of the disadvantages to prior art power assemblies is that they are "strictly AC powered systems", which implies that any DC conversion would take place external to the prior art power assemblies.

Langdon teaches a watt-hour meter socket adapter that includes a housing of electrical contacts which receive the terminals of a watt-hour meter and terminals which are insertable into the contacts of a watt-hour meter socket. In Figure 9 and the related description in Langdon, it is clear that in order to convert AC power to DC power, an externally connected "voltage converting means 114" must be provided. In Langdon, there are no "means" for converting AC to DC power internally in the watt-hour meter socket adapter. AC power is merely rerouted from the original connection and

directed to the outside of the socket adapter. Therefore, Langdon cannot anticipate claims 1 and 11 of the present application, because Langdon does not include all of the elements of claims 1 and 11.

Based on the above arguments, claims 1 and 11 are patentable as not being anticipated by or unpatentable in view of Langdon. In addition, claims 2-10 and 12-22 are patentable as not being anticipated by or unpatentable in view of Langdon by virtue of their dependency on independent claims 1 and 11.

REQUEST FOR ALLOWANCE

Claims 1-22 are pending in this application, and the Applicant respectfully requests that the Examiner reconsider all of the claims in light of the arguments presented and allow all current and pending claims.

Respectfully submitted,

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